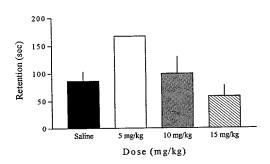
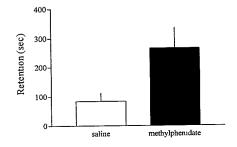
Figure 1

#### Effects of Methylphenidate on Passive Avoidance



### Figure 2

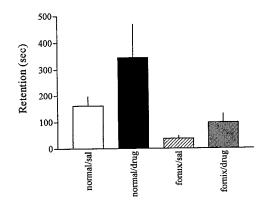
#### Methylphenidate (5 mg/kg) Enhances Performance on the Passive Avoidance Task



| Unpaired t test P value P value summary Are means signif different? (P < 0.05) One- or two-tailed P value? t, df | 0 0339<br>*<br>Yes           |
|--|------------------------------|
|  | Yes Two-tailed t=2 307 df=17 |

Figure 3

Methylphenidate (5 mg/kg) Improves Performance in Normal and Fornix Lesion Rats



| P value                                 | 0.0094 |
|---|--------|
| P value summary                         | **     |
| Are means signif. different? (P < 0.05) | Yes    |
| Number of groups                        | 4      |
| F                                       | 4.497  |
| R squared                               | 0.2902 |

# Effects of l-Threo Methylphenidate on Inhibitory Avoidance

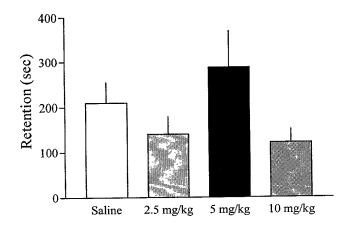


Figure 5

l-Threo Methylphenidate (5 mg/kg) Enhances Perfomance on the Inhibitory Avoidance Task

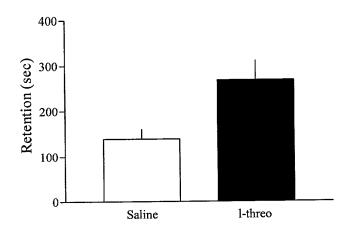
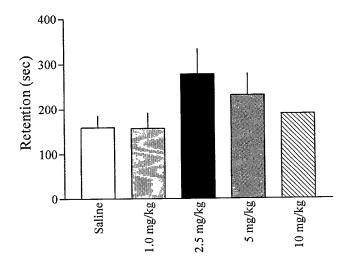
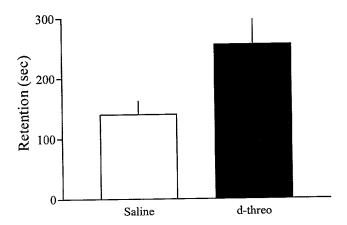


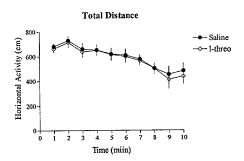
Figure 6

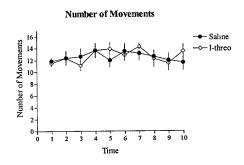
Effects of d-Threo Methylphenidate on Inhibitory Avoidance

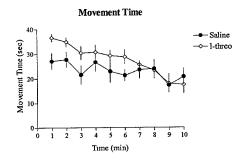


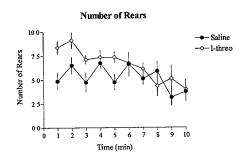
# d-Threo Methylphenidate (2.5 mg/kg) Enhances Perfomance on the Inhibitory Avoidance Task

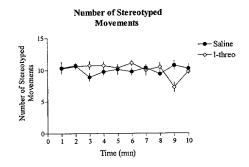


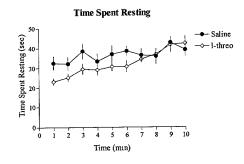


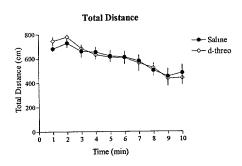


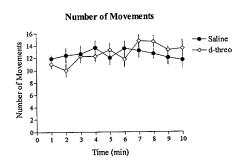


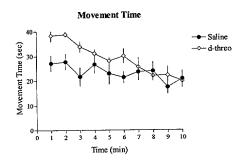


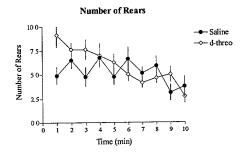


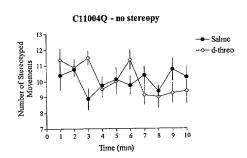


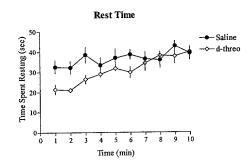












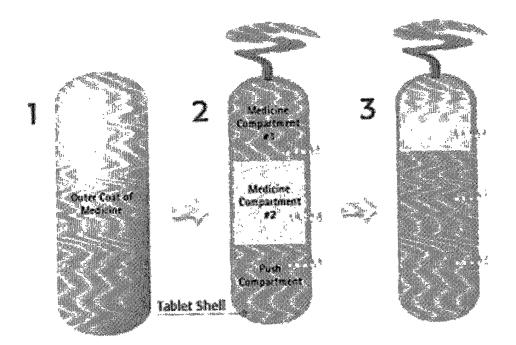


Figure 11

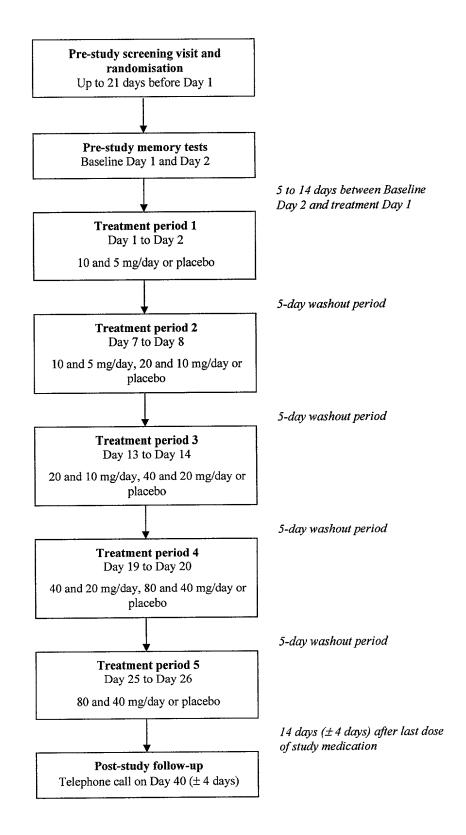
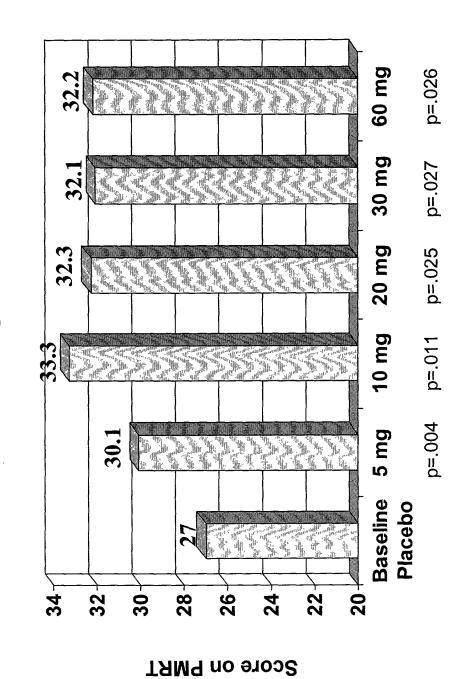


Figure 12



Score Score

Figure 13

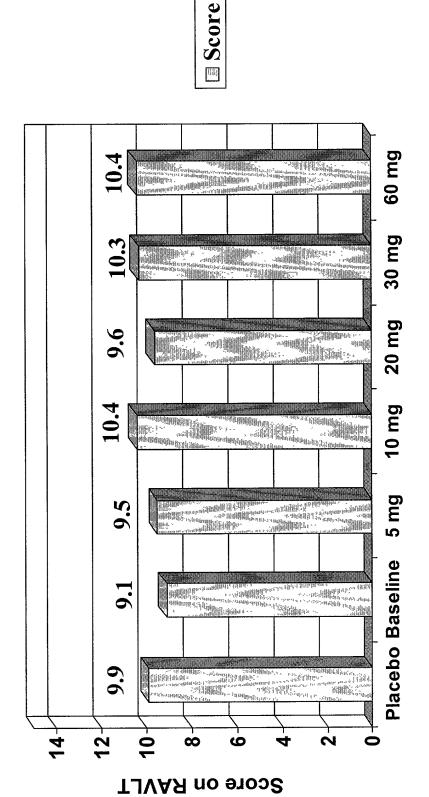
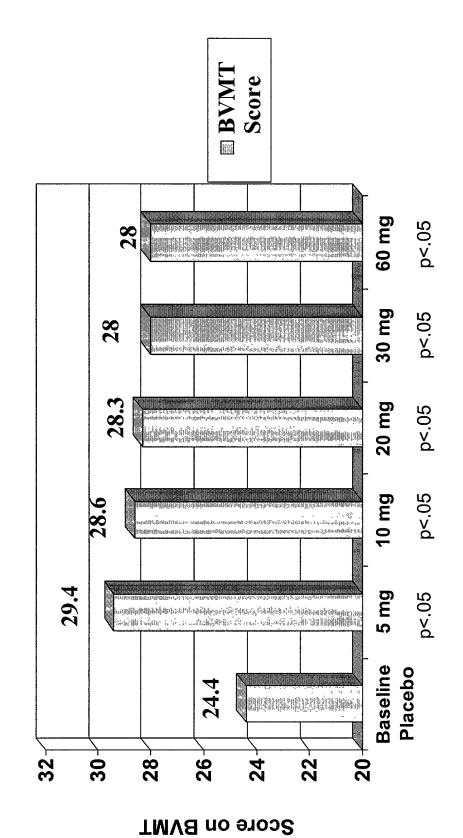


Figure 14



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